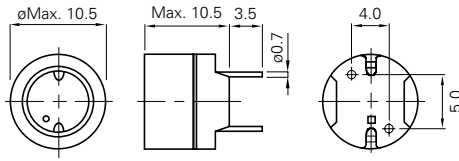


RCR1010

DIMENSIONS (mm)
外形寸法図

WIRE
線種



CONSTRUCTION
磁気構造図

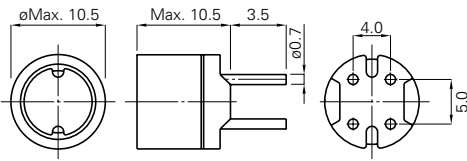


RCR-110D

DIMENSIONS (mm)
外形寸法図

CONNECTION
端子接続

WIRE
線種



BOTTOM VIEW
裏面図

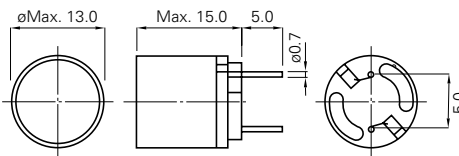
CONSTRUCTION
磁気構造図



RP1315B

DIMENSIONS (mm)
外形寸法図

WIRE
線種



CONSTRUCTION
磁気構造図



TYPE : RCR1010, RCR-110D, RP1315B

| Parts No. | L (H) | RCR1010 | | | RCR-110D | | RP1315B | | | | |
|-----------|-------|------------------------|---------------------------|-------|--------------------------------|------------------|---------------------------|------------------------|---------------------------|-------|--------------------------------|
| | | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *B | | Temperature Rise Current (A)*D | D.C.R.(Ω) : Max. | Saturation Current (A) *A | D.C.R.(Ω) : Max.(Typ.) | Saturation Current (A) *C | | Temperature Rise Current (A)*D |
| | | | 20°C | 105°C | | | | | 20°C | 105°C | |
| 100 | 10μ | 25.1m(20.1m) | 4.80 | 3.80 | 4.30 | 23m | 3.51 | 18.5m(14.8m) | 8.10 | 6.20 | 6.20 |
| 120 | 12μ | 26.6m(21.3m) | 4.50 | 3.50 | 4.20 | 24m | 3.24 | 19.3m(15.5m) | 7.68 | 6.00 | 5.85 |
| 150 | 15μ | 31.3m(25.1m) | 4.00 | 3.20 | 4.10 | 36m | 2.88 | 32.4m(25.9m) | 6.52 | 5.12 | 5.31 |
| 180 | 18μ | 33.8m(27.1m) | 3.80 | 2.90 | 4.00 | 39m | 2.61 | 34.4m(27.5m) | 6.00 | 4.72 | 5.00 |
| 220 | 22μ | 38.3m(30.6m) | 3.40 | 2.60 | 3.80 | 42m | 2.34 | 47.8m(38.3m) | 5.36 | 4.36 | 4.00 |
| 270 | 27μ | 40.9m(32.7m) | 3.00 | 2.50 | 3.60 | 45m | 2.16 | 60.8m(48.7m) | 4.88 | 3.79 | 3.40 |
| 330 | 33μ | 53.8m(43.1m) | 2.70 | 2.20 | 3.20 | 57m | 1.89 | 73.6m(58.9m) | 4.20 | 3.20 | 2.80 |
| 390 | 39μ | 73.4m(58.7m) | 2.50 | 2.00 | 2.50 | 76m | 1.80 | 80.1m(64.1m) | 3.90 | 3.10 | 2.70 |
| 470 | 47μ | 102m(81.7m) | 2.20 | 1.80 | 2.20 | 100m | 1.62 | 102m(81.4m) | 3.76 | 3.00 | 2.36 |
| 560 | 56μ | 111m(89.0m) | 2.10 | 1.70 | 2.10 | 110m | 1.44 | 115m(92.2m) | 3.26 | 2.61 | 2.30 |
| 680 | 68μ | 138m(110m) | 1.80 | 1.40 | 1.90 | 150m | 1.35 | 165m(132.1m) | 3.00 | 2.40 | 1.90 |
| 820 | 82μ | 160m(128m) | 1.70 | 1.30 | 1.80 | 160m | 1.26 | 183m(146.0m) | 2.73 | 2.21 | 1.81 |
| 101 | 100μ | 175m(140m) | 1.50 | 1.20 | 1.70 | 190m | 1.08 | 264m(211.2m) | 2.46 | 1.95 | 1.43 |
| 121 | 120μ | 194m(155m) | 1.40 | 1.10 | 1.60 | 210m | 990m | 293m(234.7m) | 2.16 | 1.80 | 1.38 |
| 151 | 150μ | 226m(181m) | 1.20 | 1.00 | 1.50 | 230m | 900m | 333m(266.5m) | 1.97 | 1.57 | 1.27 |
| 181 | 180μ | 275m(220m) | 1.10 | 900m | 1.40 | 260m | 820m | 364m(291.5m) | 1.82 | 1.46 | 1.25 |
| 221 | 220μ | 313m(251m) | 1.00 | 800m | 1.30 | 290m | 740m | 413m(330.5m) | 1.65 | 1.33 | 1.15 |
| 271 | 270μ | 451m(361m) | 950m | 740m | 1.00 | 360m | 670m | | | | |
| 331 | 330μ | 501m(401m) | 880m | 640m | 980m | 510m | 610m | 580m(465m) | 1.36 | 1.06 | 980m |
| 391 | 390μ | 563m(451m) | 780m | 600m | 940m | 690m | 550m | | | | |
| 471 | 470μ | 749m(599m) | 720m | 580m | 800m | 980m | 510m | 802m(642m) | 1.13 | 900m | 820m |
| 561 | 560μ | 849m(683m) | 680m | 550m | 750m | 1.10 | 460m | 890m(712m) | 1.04 | 830m | 800m |
| 681 | 680μ | 1.20(962m) | 600m | 480m | 630m | 1.20 | 420m | 1.14(911m) | 950m | 770m | 680m |
| 821 | 820μ | 1.34(1.07) | 570m | 450m | 600m | 1.30 | 380m | 1.3(1.04) | 870m | 700m | 660m |
| 102 | 1.0m | 1.49(1.19) | 480m | 390m | 550m | 1.50 | 350m | 1.98(1.58) | 740m | 610m | 510m |

Measuring Freq. (L) / インダクタンス測定周波数 (L)

RCR1010 100kHz
RCR-110D 1kHz
RP1315B 100kHz

Tolerance of Inductance / インダクタンス公差

RCR1010 10μH - 1.0mH ± 20% (M)
RCR-110D 10μH - 27μH ± 20% (M), 33μH - 1.0mH ± 15% (L)
RP1315B 10μH - 1.0mH ± 20% (M)

Other / その他

- *A The rated current indicates the current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current when the temperature of coils increased by 40°C. The smaller one is defined as rated current. (Ta=20°C)
- *B Saturation Current : This indicates the value of D.C. current when the inductance decreases to 80% of its initial value.
- *C Saturation Current : This indicates the value of D.C. current when the inductance decreases to 90% of its initial value.
- *D Temperature Rise Current : The actual current when temperature of coil becomes ΔT=40°C. (Ta=20°C)
- *A 直流量許容電流 : 直流量を流した時、インダクタンスが初期値の10%となる電流値もしくは、コイルの発熱が、ΔT=40°Cとなる電流のどちらか少ない方の値とする。(Ta=20°C)
- *B 直流量許容電流 : 直流量を流した時、インダクタンスが初期値の80%以上となる電流値とする。
- *C 直流量許容電流 : 直流量を流した時、インダクタンスが初期値の90%以上となる電流値とする。
- *D 温度上昇実力電流 : 直流量を流した時、コイルの温度上昇がΔT=40°Cとなる電流の実力値とする。(Ta=20°C)

・ To order a product, please add "NP" after the product type
e.g. Ordering code : Type name NP △△△○×
・ ご注文の際は製品タイプ名の後に "NP" を付けて下さい。

Ordering Code / 品名表記法

RCR1010NP - △△△○

△ : Parts No. ○ : Tolerance of inductance
L (15%)
M (20%)